

CHECKLIST TO DESIGNATE AREAS OF EVALUATION FOR REQUESTS FOR PROPOSAL (RFP)

| | | | | |
|--|--|---|---|-------------------------------|
| MDOT PROJECT MANAGER Robert Leppala | | | JOB NUMBER (JN) 100215C | CONTROL SECTION (CS) 33082 |
| DESCRIPTION IF NO JN/CS | | | | |
| MDOT PROJECT MANAGER: Check all items to be included in RFP. WHITE = REQUIRED GRAY SHADING = OPTIONAL | | | CONSULTANT: Provide only checked items below in proposal. | |
| Check the appropriate Tier in the box below | | | | |
| <input type="checkbox"/> TIER I (\$25,000-\$99,999) | <input checked="" type="checkbox"/> TIER II (\$100,000-\$250,000) | <input type="checkbox"/> TIER III (>\$250,000) | | |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Understanding of Service | |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <i>Innovations</i> | |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <i>Safety Program</i> | |
| N/A | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Organization Chart | |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Qualifications of Team | |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Past Performance | |
| Not required as part of official RFP | Not required as part of official RFP | <input type="checkbox"/> | Quality Assurance/Quality Control | |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Location: The percentage of work performed in Michigan will be used for all selections unless the project is for on-site inspection or survey activities, then location should be scored using the distance from the consultant office to the on-site inspection or survey activity. | |
| N/A | N/A | <input type="checkbox"/> | Presentation | |
| N/A | N/A | <input type="checkbox"/> | Technical Proposal (if Presentation is required) | |
| 3 pages (MDOT forms not counted) (No Resumes) | 7 pages (MDOT forms not counted) | 19 pages (MDOT forms not counted) | Total maximum pages for RFP not including key personnel resumes | |

REQUEST FOR PROPOSAL

The Michigan Department of Transportation (MDOT) is seeking professional services for the project contained in the attached scope of services.

If your firm is interested in providing services, please indicate your interest by submitting a Proposal, Proposal/Bid Sheet or Bid Sheet as indicated below. The documents must be submitted in accordance with the latest "Consultant/Vendor Selection Guidelines for Service Contracts" and "Guideline for Completing a Low Bid Sheet(s)", if a low bid is involved as part of the selection process. **Referenced Guidelines are available on MDOT's website under Doing Business > Vendor/Consultant Services > Vendor/Consultant Selections.**

RFP SPECIFIC INFORMATION

☒ BUREAU OF HIGHWAYS ☐ BUREAU OF TRANSPORTATION PLANNING ** ☐ OTHER

THE SERVICE WAS POSTED ON THE ANTICIPATED QUARTERLY REQUESTS FOR PROPOSALS

☒ NO ☐ YES DATED _____ THROUGH _____

| | |
|--|--|
| <input checked="" type="checkbox"/> Prequalified Services – See page 2 of the attached Scope of Services for required Prequalification Classifications. | <input type="checkbox"/> Non-Prequalified Services - If selected, the vendor must make sure that current financial information, including labor rates, overhead computations, and financial statements, if overhead is not audited, is on file with MDOT's Office of Commission Audits. This information must be on file for the prime vendor and all sub vendors so that the contract will not be delayed. |
|--|--|

☒ **Qualifications Based Selection** – Use Consultant/Vendor Selection Guidelines

For all Qualifications Based Selections, the section team will review the information submitted and will select the firm considered most qualified to perform the services based on the proposals. The selected vendor will be contacted to confirm capacity. Upon confirmation, that firm will be asked to prepare a priced proposal. Negotiations will be conducted with the firm selected.

****For RFP's that originate in Bureau of Transportation Planning only**, a priced proposal must be submitted at the same time as, but separate from, the proposal. Submit directly to the Contract Administrator/Selection Specialist, Bureau of Transportation Planning (see address list, page 2). The priced proposal must be submitted in a sealed envelope, clearly marked "**PRICE PROPOSAL.**" The vendor's name and return address **MUST** be on the front of the envelope. The priced proposal will only be opened for the highest scoring proposal. Unopened priced proposals will be returned to the unselected vendor(s). Failure to comply with this procedure may result in your priced proposal being opened erroneously by the mail room.

For a cost plus fixed fee contract, the selected vendor must have a cost accounting system to support a cost plus fixed fee contract. This type of system has a job-order cost accounting system for the recording and accumulation of costs incurred under its contracts. Each project is assigned a job number so that costs may be segregated and accumulated in the vendor's job-order accounting system.

☐ **Qualifications Review / Low Bid** - Use Consultant/Vendor Selection Guidelines. See Bid Sheet Instructions for additional information.

For Qualification Review/Low Bid selections, the selection team will review the proposals submitted and post the date of the bid opening on the MDOT website. The notification will be posted at least two business days prior to the bid opening. Only bids from vendors that meet proposal requirements will be opened. The vendor with the lowest bid will be selected. The selected vendor may be contacted to confirm capacity.

☐ **Best Value** - Use Consultant/Vendor Selection Guidelines. See Bid Sheet Instructions below for additional information. The bid amount is a component of the total proposal score, not the determining factor of the selection.

☐ **Low Bid** (no qualifications review required - no proposal required.) See Bid Sheet Instructions below for additional instructions.

BID SHEET INSTRUCTIONS

A bid sheet(s) must be submitted in accordance with the "Guideline for Completing a Low Bid Sheet(s)" (available on MDOT's website). The Bid Sheet(s) is located at the end of the Scope of Services. Submit bid sheet(s) separate from the proposal, to the address indicated below. The bid sheet(s) must be submitted in a sealed manila envelope, clearly marked "**SEALED BID.**" The vendor's name and return address **MUST** be on the front of the envelope. Failure to comply with this procedure may result in your bid being opened erroneously by the mail room and the bid being rejected from consideration.

PROPOSAL SUBMITTAL INFORMATION

| | | |
|--|-----------------------------------|---------------------|
| REQUIRED NUMBER OF COPIES FOR PROJECT MANAGER 3 | PROPOSAL/BID DUE DATE 12/20/07 | TIME DUE 4:00 pm |
|--|-----------------------------------|---------------------|

PROPOSAL AND BID SHEET MAILING ADDRESSES

Mail the multiple proposal bundle to the MDOT Project Manager or Other indicated below.

☒ MDOT Project Manager ☐ MDOT Other

Robert Leppala
Lansing TSC
3101 Technology Blvd., Suite H
Lansing, Michigan 48910

Mail one additional stapled copy of the proposal to the Lansing Office indicated below.

| Lansing Regular Mail | OR | Lansing Overnight Mail |
|--|----|--|
| <input checked="" type="checkbox"/> Secretary, Contract Services Div - B470 Michigan Department of Transportation PO Box 30050 Lansing, MI 48909 | | Secretary, Contract Services Div - B470 Michigan Department of Transportation 425 W. Ottawa Lansing, MI 48933 |
| <input type="checkbox"/> Contract Administrator/Selection Specialist Bureau of Transportation Planning B470 Michigan Department of Transportation PO Box 30050 Lansing, MI 48909 | | Contract Administrator/Selection Specialist Bureau of Transportation Planning B470 Michigan Department of Transportation 425 W. Ottawa Lansing, MI 48933 |

GENERAL INFORMATION

Any questions relative to the scope of services must be submitted by e-mail to the MDOT Project Manager. Questions must be received by the Project Manager at least four (4) working days prior to the due date and time specified above. All questions and answers will be placed on the MDOT website as soon as possible after receipt of the questions, and at least three (3) days prior to the RFP due date deadline. The names of vendors submitting questions will not be disclosed.

MDOT is an equal opportunity employer and MDOT DBE firms are encouraged to apply. The participating DBE firm, as currently certified by MDOT's Office of Equal Opportunity, shall be listed in the Proposal

MDOT FORMS REQUIRED AS PART OF PROPOSAL SUBMISSION

- 5100D** – Request for Proposal Cover Sheet
- 5100G** – Certification of Availability of Key Personnel
- 5100I** – Conflict of Interest Statement

(These forms are not included in the proposal maximum page count.)

Michigan Department of Transportation

SCOPE OF SERVICE FOR DESIGN SERVICES

CONTROL SECTION: 33061 (33042, 33043 & 33082)

JOB NUMBER: 100215C

PROJECT LOCATION: The project is located on M-43 (Saginaw Street, Oakland Ave., Grand River Ave.) from Rosemary Street to Coolidge Road the City of Lansing and Lansing Township, Ingham County. The project length is 4.5 miles.



PROJECT DESCRIPTION: This project is part of the MDOT Capital Preventive Maintenance Program. The scope of work associated with this project consists of cold-milling, single-course hot mix asphalt resurfacing, concrete pavement repairs, ADA sidewalk ramp upgrades, traffic signal modifications for ADA compliance and pavement markings. No new Right-of-Way or grading permits are anticipated for this project.

ANTICIPATED SERVICE START DATE: 03/06/2008

ANTICIPATED SERVICE COMPLETION DATE: 11/26/2008

PRIMARY PREQUALIFICATION CLASSIFICATION(S):

Roads and Streets

SECONDARY PREQUALIFICATION CLASSIFICATION(S):

Traffic Signal Design

Pavement Marking Plans

DBE REQUIREMENT: 5%

MDOT PROJECT MANAGER:

Name: Robert Leppala
Address: Michigan Department of Transportation
Lansing Transportation Service Center
3101 Technology Drive, Suite H
Lansing, MI 48910
Phone Number: (517) 324-2273
Fax Number: (517) 324-0294
E-mail: leppalar@michigan.gov

CONSTRUCTION COST:

A. The programmed cost of construction is:

| | | |
|-----|------------------------------|----------------|
| 1. | Mainline Pavement | \$1,909,794.00 |
| 4. | Drainage | \$ 9,000.00 |
| 6. | Non Motorized (ADA upgrades) | \$ 400,000.00 |
| 7. | Maintaining Traffic | \$ 77,500.00 |
| 9. | Permanent Pavement Markings | \$ 77,200.00 |
| 11. | Miscellaneous | \$ 119,075.00 |
| | CONSTRUCTION TOTAL | \$2,585,569.00 |

B. The estimated cost of real estate is: \$0

The Consultant is expected to design the project within the programmed amount. **If at any time the estimated cost of construction varies by more than 5% of the current programmed amount, then the Consultant will be required to submit a letter to the MDOT Project Manager justifying the changes in the construction cost estimate.**

REQUIRED MDOT GUIDELINES AND STANDARDS:

Work shall conform to current MDOT, FHWA, and AASHTO practices, guidelines, policies, and standards (i.e., Road Design Manual, Standard Plans, Drainage Manual, Roadside Design Guide, A Policy on Geometric Design of Highways and Streets, Michigan Manual of Uniform Traffic Control Devices, etc.).

NOTE: A process change mandated by federal audit of MDOT's design process puts the Omissions and Errors Check Meeting after the Plan Completion. Please keep this in mind when preparing your schedule. See MDOT Road Design Manual, Chapter 14 – Procedures – Section 14.54 for corroboration. See “For Your Information” contacts at the end of this document for more info or questions.

Consultant is required to use MDOT's current version of Bentley MicroStation for CADD applications and Bentley GEOPAK for road design. Consultant shall comply with all MDOT CADD standards and file naming conventions.

CONSULTANT RESPONSIBILITIES:

Complete the design of this project including, but not limited to the following:

The Consultant must adhere to all applicable OSHA and MIOSHA safety standards, including the appropriate traffic signs for the activities and conditions for this job and perform field operations in accordance with the Department's Personal Protective Equipment (PPE) policy as stated in the MDOT Guidance Document #10118.

Meet with the MDOT Project Manager to review project, location of data sources and contact persons, and review relevant MDOT operations. The Consultant shall review and clarify project issues, data needs and availability, and the sequence of events and team meetings that are essential to complete the design by the project plan completion date. Attention shall be given to critical target dates that may require a large lead time, such as geotechnical requirements, ROW submittal dates, Railroad coordination requirements, utility conflict resolution, local agency meetings, etc.

- A. Prepare required plans, typical cross-sections, details, and specifications required for design and construction. MDOT has prepared a preliminary log of project, typical cross sections and quantities for the CPM road work. The Consultant will review, check, and finalize the typical cross sections and quantities and will convert and incorporate this design into the final plan set for the project. The plans for the CPM road work will consist of typical cross sections, miscellaneous details as necessary, and strip map plans with pay items and quantities. The Consultant will develop intersection details and signal plans as needed for the ADA sidewalk ramp upgrades. Not all sidewalk ramp locations will require details in the plans. Details will only be required for locations where the existing ramp and/or landing area do not meet current guidelines and must be removed and reconstructed. MDOT will review existing conditions and identify locations that will require detailing.
- B. Compute and verify all quantities.

- C. Prepare and submit documentation justifying infeasibility for proposed sidewalk ramp areas not conforming to current guidelines.
- D. Provide solutions to any unique problems that may arise during the design of this project.
- E. The Consultant may be required to provide Design Services during the construction phase of this project. If Construction Assistance is required, then a separate authorization for those services will be issued.
- F. Maintain a Design Project Record which includes a history of significant events (changes, comments, etc.) which influenced the development of the plans, dates of submittals and receipt of information.
- G. The Consultant representative shall record and submit type-written minutes for all project related meetings to the MDOT Project Manager within two weeks of the meeting. The Consultant shall also distribute the minutes to all meeting attendees.
- H. The Consultant will provide to MDOT at the scheduled submittal dates, electronic files, in Adobe PDF format, of the required specifications and plan set materials.
- I. Prepare and submit electronically (native format or Adobe PDF) any information, calculations, hydraulic studies, or drawings required by MDOT for acquiring any permit (i.e. NPDES, DEQ, etc), approvals (i.e. county drain commission) and related mitigation. MDOT will submit permit requests.
- J. Attend any project-related meetings as directed by the MDOT Project Manager.
- K. Attend information meetings (i.e., public hearings, open houses, etc.) with the public and public officials to assist in responding to concerns and questions. May require the preparation of displays such as maps, marked-up plans, etc.
- L. The Consultant shall assist in the review of utility permit requests, incorporate the information in the design plans, and respond within 2 weeks from receipt of the permit.
- M. The MDOT Project Manager shall be the official MDOT contact person for the Consultant **and shall be made aware of all communications regarding this project.** The Consultant must either address or send a copy of all correspondence to the MDOT Project Manager. This includes all Subcontractor correspondence and verbal contact records.

- N. The Consultant shall contact the MDOT Project Manager whenever discoveries or design alternatives have the potential to require changes in the scope, limits, quantities, costs, or right-of-way of the project.

UTILITIES

The Consultant shall be responsible for showing on the intersection detail plans the location and names of all existing utilities. In the course of resolving utility conflicts, the Consultant shall make modifications to the plans or design details and provide assistance as directed by the MDOT Utility Permits Engineer and/or Project Manager. The Consultant shall attend any utility meetings called to ensure that the concerns are addressed on the plans involving utilities. The Consultant shall assist in the review of utility permit requests to ensure compatibility with the project. The Consultant will be responsible for miscellaneous staking of utilities.

TRAFFIC CONTROL

The Consultant shall be responsible for all traffic control required to perform the tasks as outlined in this Scope of Design Services.

MDOT PERMITS

The Consultant shall be responsible for obtaining up to date access permits and pertinent information for tasks in MDOT Right of Way (ROW). This information can be obtained through Joe Rios, Utilities/Permits Section, Real Estate Division at (517) 241-2103.

MONTHLY PROGRESS REPORT

On the first of each month, the Consultant Project Manager shall submit a monthly project progress report to the Project Manager.

MDOT RESPONSIBILITIES:

- A. Schedule and/or conduct the following:
 - 1. Project related meetings.
 - 2. Utility Meetings.
 - 3. Quantity summary sheets and final item cost estimates.
 - 4. Packaging of plans and proposal.
- B. Furnish Special Details and pertinent reference materials.
- C. Review all existing sidewalk ramp areas, determine conformance with current guidelines, and identify locations that will require detailing in the plans.
- D. Furnish design survey of the intersection areas that require detailing in the plans.

- E. Furnish the preliminary log of project, typical cross sections, quantities and details for the CPM road work.
- F. Furnish Maintaining Traffic Special Provision.
- G. Furnish prints of an example of a similar project and old plans of the area, if available.
- H. Furnish existing traffic signal plans if available.
- I. Furnish ROW maps of the project area.
- J. Supply information on the existing pavement structure as needed.
- K. Obtain all permits for the project as outlined in previous section.
- L. Coordinate any necessary utility relocation.
- M. Furnish FTP site for software download and instructions for the MDOT Stand Alone Proposal Estimator's Worksheet (SAPW).

DELIVERABLES:

The Consultant shall deliver all computer files associated with the project in their native format (spreadsheets, CADD files, GEOPAK files, etc.) on DVD, CD or uploaded to ProjectWise, as directed by the MDOT Project Manager. All CADD/GEOPAK files shall be created and identified with standard MDOT file names as shown in Appendix A of the Road Design Manual. It is the Consultant's responsibility to obtain up to date MicroStation and GEOPAK seed/configuration files necessary to comply with MDOT's CADD standards which are posted to the bulletin board system. When the use of GEOPAK road design software is necessary to develop plans all pay items shall be placed into the CADD file using GEOPAK's Design and Computation Manager so that Quantity Manager can be used to transfer pay item information to SAPW/Trns*port. Any CADD/GEOPAK files that do not conform to MDOT standards will be returned to the Consultant for correction at the Consultant's expense.

Proposal documents shall be submitted in their native format with standard naming conventions as well as combined into one Adobe PDF file in the sequence specified by MDOT. To provide text search capabilities the combined proposal shall be created by converting native electronic files to PDF. Scanning to PDF is discouraged except in instances where it is necessary to capturing a legally signed document or a hard copy version of a document is all that exists.

Plan files shall be submitted in their native dgn format with standard naming conventions as well as plotted into a combined Adobe PDF file. Plan sheets shall be plotted to Adobe PDF with full text search capabilities in half size (11" x 17") formats. A full size title sheet shall

be plotted stamped and signed then scanned for inclusion with the Adobe PDF set. The original title sheet will be sent to the MDOT Project Manager.

Stand Alone Proposal Estimator's Worksheet (SAPW) shall be used to generate the txt and csv files necessary for import into the Trns*port bid letting software. The SAPW files shall be transmitted electronically by the method specified by the MDOT Project Manager.

The intersection detail sheets for sidewalk ramp upgrades will require a scale of **1"=20'**.

Other plan sheets that are required for this project shall be completed by the Consultant. These include, but are not limited to the following plan sheets:

- A. The title sheet. MDOT will provide a map of the area on a disk in our workstation format. If the map is not available, MDOT will provide a map that could be used. The Consultant shall be responsible for any revisions to the title sheet and the title sheet and map shall meet MDOT format and layout guidelines.
- B. Typical Cross-Sections.
- C. Project specific Miscellaneous Details.
- D. Note Sheet
- E. Legend Sheet
- F. Witnesses & Benchmarks Sheet
- G. Strip map sheets for entire project at a scale of 1"=150'.
- H. Traffic Signal plans and details.

All plans, special provisions, estimates, and other project related items shall meet all MDOT requirements and detailing practices (i.e., format, materials, symbols, patterns, and layout) or as otherwise directed by the Project Manager. All plans, specifications, and other project related items are subject to review and approval by MDOT.

PROJECT SCHEDULE:

The Consultant shall use the following events to prepare the proposed implementation schedule as required in the Guidelines for the Preparation of Responses on Assigned Design Services Contracts. These dates shall be used in preparing the Consultant's Monthly Progress Reports.

MDOT PRECONSTRUCTION TASKS CONSULTANT CHECKLIST

Please indicate with a check in the box next to each task number whether you believe that task will require consultant involvement on the job. Milestones (a specific event at a point in time) are italicized and underlined. See the [P/PMS Task Manual](#) for more details.

Study (Early Preliminary Engineering)

**Date To Be
Completed By**
(mm/dd/yyyy)

P/PMS Task Number and Description

Yes No

EPE Scoping Analysis

| | | | | |
|--------------------------|-------------------------------------|---|---|---|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 2120 Prepare Traffic Analysis Report | / | / |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 2130 Prepare Project Justification | / | / |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | <i><u>213M Concurrence by Regulatory Agencies with the Purpose and Need</u></i> | / | / |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 2140 Develop and Review Illustrative Alternatives | / | / |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 2155 Request/Perform Safety Analysis | / | / |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 2160 Prepare and Review EIS Scoping Document | / | / |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | <i><u>211M Public Information Meeting</u></i> | / | / |

EPE Draft Analysis

| | | | | |
|--------------------------|-------------------------------------|---|---|---|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 2310 Conduct Technical SEE Studies | / | / |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 2321 Prepare for Aerial Photography | / | / |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 2322 Finish/Print Aerial Photography | / | / |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 2330 Collect EPE Geotechnical Data | / | / |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 2340 Develop and Review Practical Alternatives | / | / |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | <i><u>233M Aerial Photography Flight</u></i> | / | / |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | <i><u>234M Concurrence by Regulatory Agencies with the Alternatives for Study</u></i> | / | / |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 2360 Prepare and Review EA or DEIS | / | / |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | <i><u>231M Draft Submission to FHWA</u></i> | / | / |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 2380 Circulate EA or DEIS | / | / |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | <i><u>232M Public Hearing</u></i> | / | / |

MDOT PRECONSTRUCTION TASKS CONSULTANT CHECKLIST

Study (Early Preliminary Engineering)

Date To Be
Completed By
(mm/dd/yyyy)

P/PMS Task Number and Description

Yes No

EPE Final Analysis

| | | | | |
|--------------------------|-------------------------------------|---|---|---|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 2510 Determine and Review Recommended Alternative | / | / |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | <i>250M Concurrence by Regulatory Agencies with Recommended Alternative</i> | / | / |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 2525 Prepare and Review Engineering Report | / | / |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 2530 Prepare and Review Request for FONSI or FEIS | / | / |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | <i>252M Final Submission to FHWA</i> | / | / |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 2550 Obtain FONSI or ROD | / | / |

Contamination Investigation

| | | | | |
|--------------------------|-------------------------------------|---|---|---|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 2810 Project Area Contamination Survey (PCS) | / | / |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 2820 Preliminary Site Investigation (PSI) for Contamination | / | / |

Preliminary Engineering

Design Scope Verification and Base Plans Preparation

| | | | | |
|--------------------------|-------------------------------------|--|---|---|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 3130 Verify Design Scope of Work and Cost | / | / |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 3310 Prepare Aerial Topographic Mapping | / | / |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 3320 Conduct Photogrammetric Control Survey | / | / |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 3321 Set Aerial Photo Targets | / | / |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 3330 Conduct Design Survey | / | / |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 3340 Conduct Structure Survey | / | / |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 3350 Conduct Hydraulics Survey | / | / |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 3360 Prepare Base Plans | / | / |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | <i>311M Utility Notification</i> | / | / |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 3361 Review and Submit Preliminary ROW Plans | / | / |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | <i>331M Preliminary ROW Plans Distributed</i> | / | / |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 3370 Prepare Structure Study | / | / |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 3375 Conduct Value Engineering Study | / | / |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 3380 Review Base Plans | / | / |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | <i>332M Base Plan Review (Pre-GI Inspection)</i> | / | / |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 3390 Develop the Maintaining Traffic Concepts | / | / |

Preliminary Plans Preparation

| | | | | |
|--------------------------|-------------------------------------|---|---|---|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 3510 Perform Roadway Geotechnical Investigation | / | / |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 3520 Conduct Hydraulic/Hydrologic and Scour Analysis | / | / |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 3522 Conduct Drainage Study, Storm Sewer Design, and use Structural Best Management Practices | / | / |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 3530 Conduct Structure Foundation Investigation | / | / |

MDOT PRECONSTRUCTION TASKS CONSULTANT CHECKLIST

Preliminary Engineering (cont'd)

Date To Be
Completed By
(mm/dd/yyyy)

P/PMS Task Number and Description

Yes No

Preliminary Plans Preparation (cont'd)

| | | | | | |
|--------------------------|-------------------------------------|-------------|---|---|---|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 3535 | Conduct Structure Review for Architectural and Aesthetic Improvements | / | / |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 3540 | Develop the Maintaining Traffic Plan | / | / |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 3551 | Develop Traffic Signal Operations Plan | / | / |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 3552 | Develop Preliminary Pavement Marking Plan | / | / |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 3553 | Develop Preliminary Non-Freeway Signing Plan | / | / |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 3554 | Develop Preliminary Freeway Signing Plan | / | / |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 3570 | Prepare Preliminary Structure Plans | / | / |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 3580 | Develop Preliminary Plans | / | / |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 3581 | Review and Submit Final ROW Plans | / | / |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | <i>351M</i> | <i>Final ROW Plans Distributed</i> | / | / |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 3590 | Review Preliminary Plans (Hold Plan Review Meeting) | / | / |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | <i>352M</i> | <i>THE Plan Review (Grade Inspection)</i> | / | / |

Utilities

| | | | | | |
|-------------------------------------|-------------------------------------|-------------|--|------------|---|
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 3610 | Compile Utility Information | 05/16/2008 | |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 3660 | Resolve Utility Issues | 06/09/2008 | |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <i>360M</i> | <i>Utility Conflict Resolution Plan Distribution</i> | 05/16/2008 | |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <i>361M</i> | <i>Utility Meeting</i> | 05/30/2008 | |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 3670 | Develop Municipal Utility Plans | / | / |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 3672 | Develop Special Drainage Structures Plans | / | / |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 3675 | Develop Electrical Plans | / | / |

Mitigation/Permits

| | | | | | |
|--------------------------|-------------------------------------|------|--|---|---|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 3710 | Develop Required Mitigation | / | / |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 3720 | Submit Environmental Permit Applications | / | / |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 3730 | Obtain Environmental Permit | / | / |

MDOT PRECONSTRUCTION TASKS CONSULTANT CHECKLIST

Preliminary Engineering (cont'd)

Date To Be
Completed By
(mm/dd/yyyy)

P/PMS Task Number and Description

Yes No

Final Plan Preparation

| | | | |
|-------------------------------------|-------------------------------------|---|------------|
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 3821 Prepare/Review Traffic Signal Plan | 06/09/2008 |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 3822 Complete Permanent Pavement Marking Plan | / / |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 3823 Complete Non-Freeway Signing Plan | |
| / / | | | |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 3824 Complete Freeway Signing Plan | / / |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 3830 Complete the Maintaining Traffic Plan | / / |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 3840 Develop Final Plans and Specifications | 06/09/2008 |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <u>380M Plan Completion</u> | 06/09/2008 |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 3850 Develop Structure Final Plans and Specifications | / / |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 3870 Hold Omissions/Errors Check (OEC) Meeting | 07/14/2008 |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <u>387M Omissions/Errors Checks Meeting</u> | 06/23/2008 |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <u>389M Plan Turn-In</u> | 07/14/2008 |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 3880 CPM Quality Assurance Review | / / |

Preliminary Engineering – Right Of Way

Early Right Of Way Work

| | | | |
|--------------------------|-------------------------------------|--|-----|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 4120 Obtain Preliminary Title Commitments | / / |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 4130 Prepare Marked Final Right Of Way Plans | / / |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | <u>413M Approved Marked Final ROW</u> | / / |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 4140 Prepare Property Legal Instruments | / / |

ROW Acquisition

| | | | |
|--------------------------|-------------------------------------|--|-----|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 4411 Preliminary Interviews | / / |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | <u>441M Post-Decision Meeting</u> | / / |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 4412 Real Estate Services Assignment Proposal and Fee Estimate (Form 633s) for Appraisal Work Authorization | / / |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 4413 Appraisal Reports | / / |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 4420 Appraisal Review Reports | / / |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 4430 Acquire Right Of Way Parcels | / / |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 4510 Conduct Right Of Way Survey & Staking | / / |

ROW Relocation

| | | | |
|--------------------------|-------------------------------------|---------------------------------------|-----|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 4710 Relocation Assistance | / / |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 4720 Prepare Improvement Removal Plan | / / |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | <u>442M ROW Certification</u> | / / |

PAYMENT SCHEDULE

Compensation for this Scope of Services shall be on an **actual cost plus fixed fee** basis.

CONSULTANT PAYMENT:

All invoices/bills for services must be directed to the Department and follow the 'then current' guidelines. The latest copy of the "Professional Engineering Service Reimbursement Guidelines for Bureau of Highways" is available on MDOT's Bulletin Board System. This document contains instructions and forms that must be followed and used for invoicing/billing; payment may be delayed or decreased if the instructions are not followed.

Payment to the Consultant for Services rendered shall not exceed the "Actual Cost Plus Fixed Fee, Not to Exceed Maximum Amount" unless an increase is approved in accordance with the contract with the Consultant. All invoices/bills must be submitted within 14 calendar days of the last date of services being performed for that invoice.

Direct expenses will not be paid in excess of that allowed by the Department for its own employees in accordance with the State of Michigan's Standardized Travel Regulations. Supporting documentation must be submitted, with the invoice/bill, for all billable expenses on the Project. The only hours that will be considered allowable charges for this contract are those that are directly attributable to the activities of this Project.

The use of overtime hours is not acceptable unless prior written approval is granted by the MDOT Region Engineer/Bureau Director and the MDOT Project Engineer Manager. Reimbursement for overtime hours that are allowed will be limited to time spent on this project in excess of forty hours per person per week. Any variations to this rule should be included in the priced proposal submitted by the Consultant and must have prior written approval by the MDOT Region Engineer/Bureau Director and the MDOT Project Engineer Manager.

The fixed fee for profit allowed for this project is 11.0% of the cost of direct labor and overhead.

FOR YOUR INFORMATION

For questions on specific tasks, refer to the P/PMS Task Manual located on the MDOT Bulletin Board System.

For assistance in accessing this manual, please contact one of following:

Dennis Kelley: (517) 373-4614

Tonya Nobach: (517) 335-1927